User manual Analog IN/OUT MUL-211-D-01

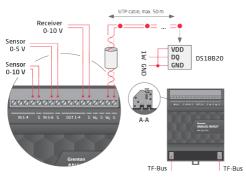
Grenton Analog IN/OUT expands the possibil-ities of the system and ensures support for analog standards 0-10 V, 0-5 V, 0-20 mA and 1-Wire.



1. Technical data

Device power supply	24 V _{dc}
Maximum power consumption	0,48 W
Maximum device current	20 mA (for 24 V _{dc})
Maximum input voltage for IN1-4	10 V _{dc}
Maximum input voltage for IN5-6	5 V _{dc}
Maximum output voltage for OUT1-4	10 V _{dc}
Maximum output current for OUT1-4	10 mA
Max. wire cross section	1,5 mm ²
Weight	105 g
Size [DIN]	4
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	58/71/90 mm
Operating temperature range	0 to +45 °C

2. Wiring diagram



IN1-4	0-10 V digital inputs
IN5-6	0-5 V digital inputs
G	ground signal
OUT1-4	0-10 V digital outputs
WA	Input, channel A 1-Wire
WB	Input, channel B 1-Wire
A-A1	Jumper 0-20 mA for input IN1
A-A2	Jumper 0-20 mA for input IN2

For 0-20 mA mode of IN1 or IN2 use jumper on A-A1 or A-A2.

3. Warnings and cautionary statements



Before proceeding with the assembly, read the installation schematics and full instructions available at www.grenton.com. Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable regu-lations. The manufacturer of the device. Gren-ton Sp. z. o. o. does not bear any responsibility



DANGER !

Danger to life caused by electric current!
The components of the installation (individual devices) are designed to work in a home

4. CE marking

The manufacturer declares that the de-vice is in full compliance with the requirements of EU legislation that includes the directives of new approach appropriate for this equipment. In particular, Grenton Sp. z o. o. declares that the device fulfills the requirements on safety, spec-ified by law, and that it conforms to the national



5. Warranty

Warranty available at: www.grenton.com/warranty

Manufacturer contact details

Grenton Sn. z.o.o. ul. Na Wierzchowinach 3 30-222 Kraków, Polska (PL) www.grenton.com

for the damage (property and non-property re-lated) resulting from the assembly and / or use of the equipment not in accordance with the in-structions and / or due diligence in handling the equipment (device). • Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, de-scribed in particular in the "Technical data" sec-tion.

scribed in particular in Loss - sec-tion. • The product is not intended for children and animals. • If you have technical questions or comments about the device operation, contact Grenton Technical Support. • Answers to frequently asked questions can be found at: www.support.grenton.pl

electrical installation or directly in its vicinity. In-correct connection or use may cause a fire or electric shock. All work related to the installation of the de-vice, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences. • When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

regulations that implement the appropriate di-rectives: The Directive on the electromagnetic compatibility (EMC - 2014/30/UE) and the Di-rective on the limitation of the use of specific substances in electrical and electronic equip-ment (RoHS II - 2011/65/UE).